Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("6100433").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/17 07:40
L2	2	("4317938").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/17 07:42
L3	4	("4226637").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/17 07:56
L4	4	("6706931").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/17 08:58
L5	242	(568/671).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/17 09:24
L6	17	US-3676523-$.DID. OR US-3686351-$.DID. OR US-3737475-$.DID. OR US-3825615-$.DID. OR US-4020121-$.DID. OR US-4021447-$.DID. OR US-3702886-$.DID. OR US-3709979-$.DID. OR US-3832449-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 09:27
L7	18	US-4482531-$.DID. OR US-3950496-$.DID. OR US-3972983-$.DID. OR US-4046859-$.DID. OR US-4247416-$.DID. OR US-4086186-$.DID. OR US-4046854-$.DID. OR US-4287166-$.DID. OR US-4247728-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 09:28
L8	18	US-4495303-$.DID. OR US-4397827-$.DID. OR US-4640829-$.DID. OR US-4568654-$.DID. OR US-4698217-$.DID. OR US-4647442-$.DID. OR US-4619818-$.DID. OR US-4954325-$.DID. OR US-5236575-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 09:29
L9	11	US-3308069-$.DID. OR US-3058805-$.DID. OR US-3130007-$.DID. OR US-3996337-$.DID. OR US-4440871-$.DID. OR US-5059567-$.DID. OR US-3462525-$.DID. OR US-3428654-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 09:30
L11	1	("RE28341").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/17 09:32

L12	16	US-3420875-$.DID. OR US-3506580-$.DID. OR US-3579537-$.DID. OR US-3524864-$.DID. OR US-5057627-$.DID. OR US-6087311-$.DID. OR US-6083893-$.DID. OR US-6159920-$.DID. OR US-6153574-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 09:33
L13	14	US-2778855-$.DID. OR US-4503275-$.DID. OR US-4317938-$.DID. OR US-4721816-$.DID. OR US-4721817-$.DID. OR US-2808442-$.DID. OR US-5912408-$.DID. OR US-4544512-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 09:34
L14	6	US-3875202-$.DID. OR US-4814514-$.DID. OR US-4885379-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 10:33
L15	4	"2808442".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/11/17 10:33

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
1	IS&R	L1	2	("6100433").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 07:40	
2	IS&R	L2	2	("4317938").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 07:42	
3	IS&R	L3	4	("4226637").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 07:56	
4	IS&R	L4	4	("6706931").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 08:58	
5	IS&R	L5	242	(568/671).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 09:24	
6	BRS	L6	17	US-3676523-$.DID. OR US-3686351-$.DID. OR US-3737475-$.DID. OR US-3825615-$.DID. OR US-4020121-$.DID. OR US-4021447-$.DID. OR US-3702886-$.DID. OR US-3709979-$.DID. OR US-3832449-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 09:27	

	Error Definition	Errors
1		
2		
3		
4		
5		
6		

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
7	BRS	L7	18	US-4482531-$.DID. OR US-3950496-$.DID. OR US-3972983-$.DID. OR US-4046859-$.DID. OR US-4247416-$.DID. OR US-4086186-$.DID. OR US-4046854-$.DID. OR US-4287166-$.DID. OR US-4247728-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 09:28	
8	BRS	L8	18	US-4495303-$.DID. OR US-4397827-$.DID. OR US-4640829-$.DID. OR US-4568654-$.DID. OR US-4698217-$.DID. OR US-4647442-$.DID. OR US-4619818-$.DID. OR US-4954325-$.DID. OR US-5236575-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 09:29	
9	BRS	L9	11	US-3308069-$.DID. OR US-3058805-$.DID. OR US-3130007-$.DID. OR US-3996337-$.DID. OR US-4440871-$.DID. OR US-5059567-$.DID. OR US-3462525-$.DID. OR US-3428654-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 09:30	
10	IS&R	L11	1	("RE28341").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 09:32	
11	BRS	L12	16	US-3420875-$.DID. OR US-3506580-$.DID. OR US-3579537-$.DID. OR US-3524864-$.DID. OR US-5057627-$.DID. OR US-6087311-$.DID. OR US-6083893-$.DID. OR US-6159920-$.DID. OR US-6153574-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 09:33	
12	BRS	L13	14	US-2778855-$.DID. OR US-4503275-$.DID. OR US-4317938-$.DID. OR US-4721816-$.DID. OR US-4721817-$.DID. OR US-2808442-$.DID. OR US-5912408-$.DID. OR US-4544512-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 09:34	

	Error Definition	Errors
7		
8		
9		
10		
11		
12		

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments
13	BRS	L14	6	US-3875202-$.DID. OR US-4814514-$.DID. OR US-4885379-$.DID.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 10:33	
14	BRS	L15	4	"2808442".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	2004/11/17 10:33	

	Error Definition	Errors
13		
14		

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	JUL 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS	4	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS	5	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS	6	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS	7	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
NEWS	8	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS	9	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS	10	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	11	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
NEWS	12	SEP 27	STANDARDS will no longer be available on STN
NEWS	13	SEP 27	SWETSCAN will no longer be available on STN
NEWS	14	OCT 28	KOREAPAT now available on STN

NEWS EXPRESS	OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 07:07:39 ON 17 NOV 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 07:07:46 ON 17 NOV 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 15 NOV 2004 HIGHEST RN 781585-71-5
DICTIONARY FILE UPDATES: 15 NOV 2004 HIGHEST RN 781585-71-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> e 3-isopropoxypropanol/cn
E1 1 3-ISOPROPOXYPICOLINIC ACID/CN
E2 1 3-ISOPROPOXYPROP-1-YNE/CN
E3 0 --> 3-ISOPROPOXYPROPANOL/CN
E4 1 3-ISOPROPOXYPROPIONALDEHYDE/CN
E5 1 3-ISOPROPOXYPROPIONAMIDE/CN
E6 1 3-ISOPROPOXYPROPIONITRILE/CN
E7 1 3-ISOPROPOXYPROPIONYL CHLORIDE/CN
E8 1 3-ISOPROPOXYPROPYL BROMIDE/CN
E9 1 3-ISOPROPOXYPROPYLAMINE/CN
E10 1 3-ISOPROPOXYPROPYLAMINE HYDROCHLORIDE/CN
E11 1 3-ISOPROPOXYPYRIDAZINE/CN
E12 1 3-ISOPROPOXYPYRIDINE/CN

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.84	1.05

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:09:04 ON 17 NOV 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 07:21:18 ON 17 NOV 2004
FILE 'REGISTRY' ENTERED AT 07:21:18 ON 17 NOV 2004

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION

FULL ESTIMATED COST 0.84 1.05

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST 0.84 1.05

FILE 'CAPLUS' ENTERED AT 07:21:32 ON 17 NOV 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 17 Nov 2004 VOL 141 ISS 21
FILE LAST UPDATED: 16 Nov 2004 (20041116/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> propylene glycol
164280 PROPYLENE
291 PROPYLENES
164371 PROPYLENE
(PROPYLENE OR PROPYLENES)
321566 GLYCOL
42891 GLYCOLS
336196 GLYCOL
(GLYCOL OR GLYCOLS)
L1 41097 PROPYLENE GLYCOL
(PROPYLENE(W)GLYCOL)

=> markovnikov
1131 MARKOVNIKOV
2 MARKOVNIKOVS
L2 1132 MARKOVNIKOV
(MARKOVNIKOV OR MARKOVNIKOVS)

=> l1 and l2
L3 0 L1 AND L2

=> logoff hold
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

FULL ESTIMATED COST 7.22 8.27

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:23:46 ON 17 NOV 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:27:59 ON 17 NOV 2004
FILE 'CAPLUS' ENTERED AT 07:27:59 ON 17 NOV 2004
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.22	8.27

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.22	8.27

FILE 'REGISTRY' ENTERED AT 07:28:08 ON 17 NOV 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 15 NOV 2004 HIGHEST RN 781585-71-5
DICTIONARY FILE UPDATES: 15 NOV 2004 HIGHEST RN 781585-71-5

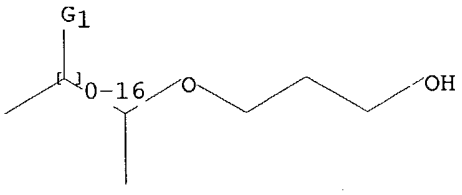
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

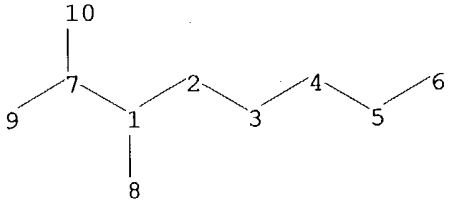
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Examination Auxillary files\10679174\10679174 clm 52.str





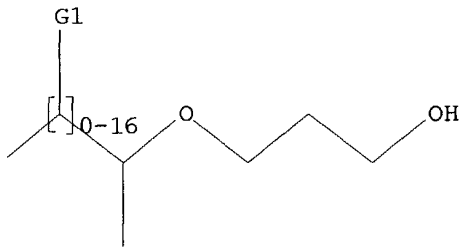
chain nodes :
1 2 3 4 5 6 7 8 9 10
chain bonds :
1-2 1-7 1-8 2-3 3-4 4-5 5-6 7-9 7-10
exact/norm bonds :
1-2 2-3 5-6 7-10
exact bonds :
1-7 1-8 3-4 4-5 7-9

G1:C,H

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS

L4 STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4 STR



G1 C,H

Structure attributes must be viewed using STN Express query preparation.

=> search l4 sss sam
SAMPLE SEARCH INITIATED 07:29:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 15796 TO ITERATE

6.3% PROCESSED 1000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 308395 TO 323445
PROJECTED ANSWERS: 16808 TO 20470

L5 50 SEA SSS SAM L4

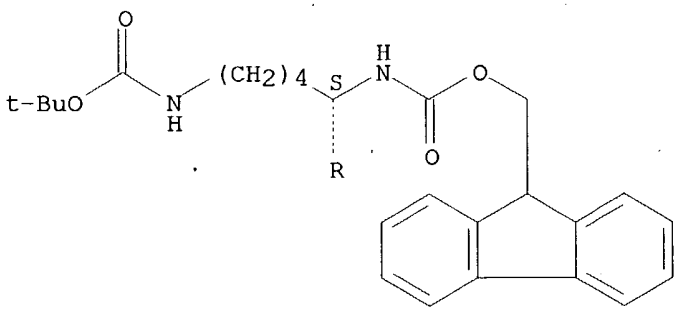
=> d scan

L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN β-Alanine, N-[N2-[N-[N-[N-[N-[N6-[(1,1-dimethylethoxy)carbonyl]-N2-[(9H-fluoren-9-ylmethoxy)carbonyl]-L-lysyl]-O-(1,1-dimethylethyl)-L-threonyl]-L-alanyl]-L-phenylalanyl]-L-methionyl]-L-glutaminyl]- (9CI)
SQL 7
MF C59 H83 N9 O14 S

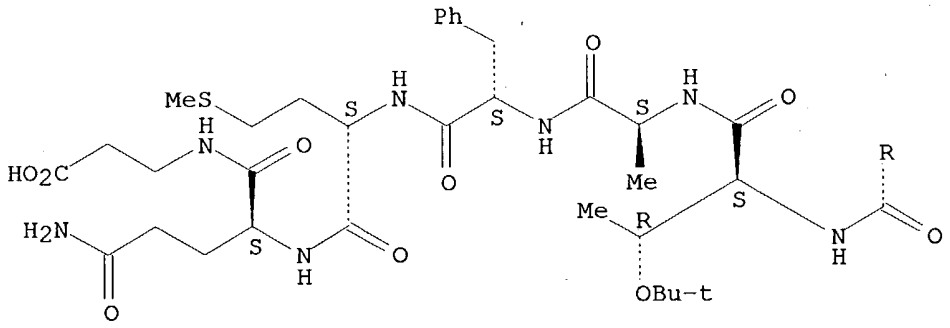
RELATED SEQUENCES AVAILABLE WITH SEQLINK

Absolute stereochemistry.

PAGE 1-A



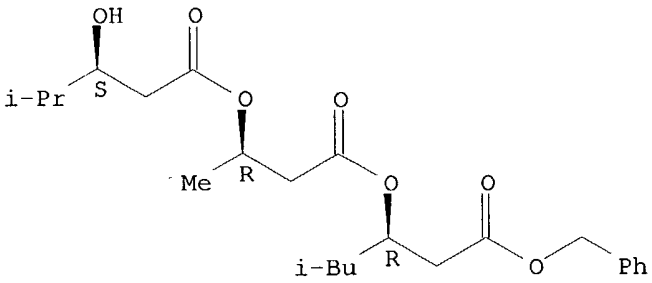
PAGE 2-A



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Hexanoic acid, 3-[(3R)-3-[[(3S)-3-hydroxy-4-methyl-1-oxopentyl]oxy]-1-oxobutoxy]-5-methyl-, phenylmethyl ester, (3R)- (9CI)
MF C24 H36 O7

Absolute stereochemistry. Rotation (-).



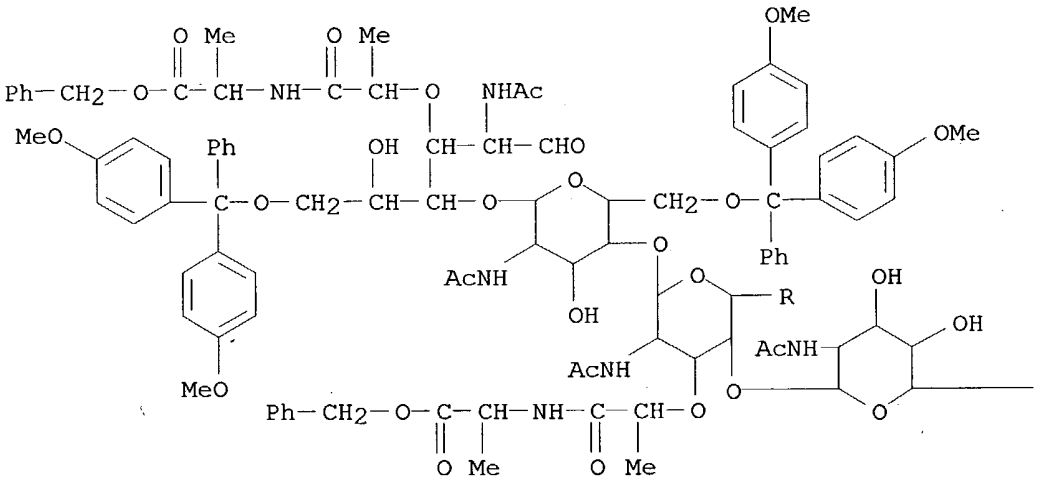
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN L-Alanine, N-[O-2-(acetylamino)-6-O-[bis(4-methoxyphenyl)phenylmethyl]-2-

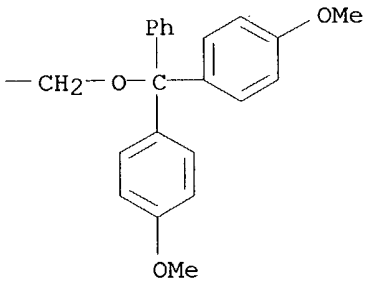
deoxy-β-D-glucopyranosyl-(1→4)-O-[N2-acetyl-6-O-[bis(4-methoxyphenyl)phenylmethyl]-N8-[1-methyl-2-oxo-2-(phenylmethoxy)ethyl]-β-muramamidosyl]-(1→4)-O-2-(acetylamino)-6-O-[bis(4-methoxyphenyl)phenylmethyl]-2-deoxy-β-D-glucopyranosyl-(1→4)-N-acetyl-6-O-[bis(4-methoxyphenyl)phenylmethyl]muramoyl]-, phenylmethyl ester, (S)- (9CI)

MF C142 H156 N6 O35

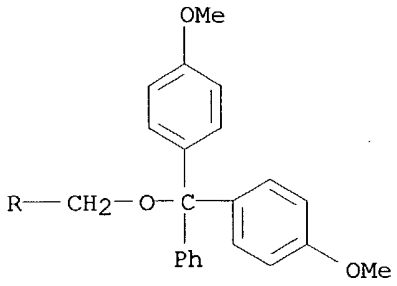
PAGE 1-A



PAGE 1-B



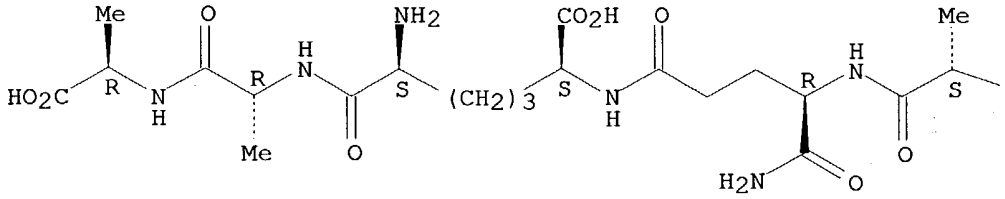
PAGE 2-A



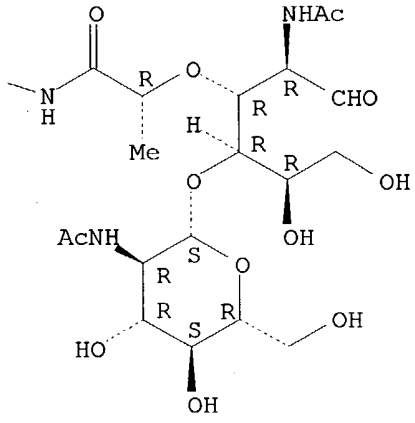
L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN D-Alanine, N-[N-[N6-[N2-[N-[N-acetyl-4-O-[2-(acetylamino)-2-deoxy-β-D-glucopyranosyl]muramoyl]-L-alanyl]-D-α-glutaminyl]-(S)-6-carboxy-L-lysyl]-D-alanyl]- (9CI)
MF C40 H67 N9 O21

Absolute stereochemistry.

PAGE 1-A



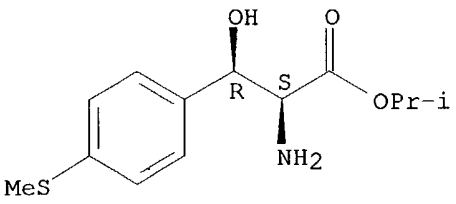
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN L-Phenylalanine, β-hydroxy-4-(methylthio)-, 1-methylethyl ester, (βR)- (9CI)
MF C13 H19 N O3 S

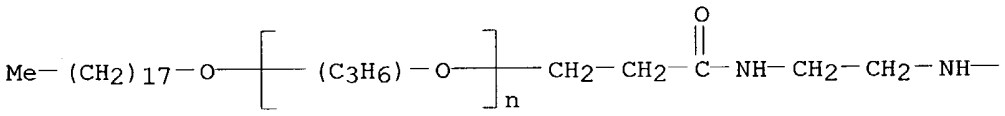
Absolute stereochemistry.



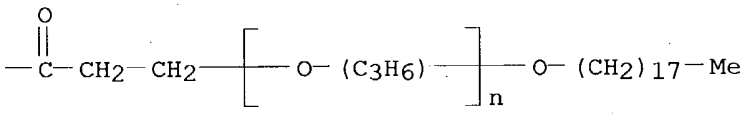
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Poly[oxy(methyl-1,2-ethanediyl)], α,α'-[1,2-ethanediylbis[imino(3-oxo-3,1-propanediyl)]]bis[ω-(octadecyloxy)- (9CI)
MF (C3 H6 O)n (C3 H6 O)n C44 H88 N2 O4
CI IDS, PMS

PAGE 1-A

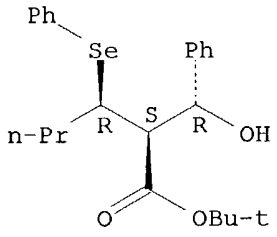


PAGE 1-B



L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Benzenepropanoic acid, β-hydroxy-α-[(1R)-1-(phenylseleno)butyl]-, 1,1-dimethylethyl ester, (αS,βR)-rel- (9CI)
MF C23 H30 O3 Se

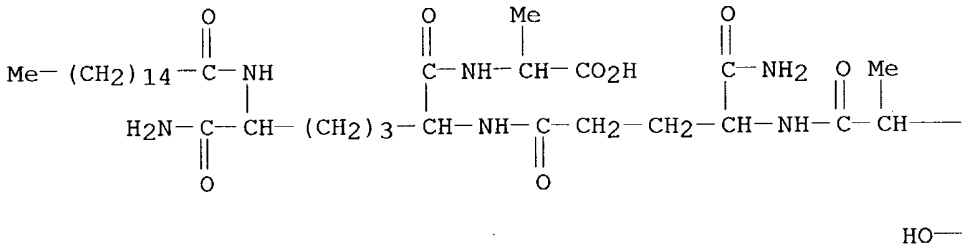
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

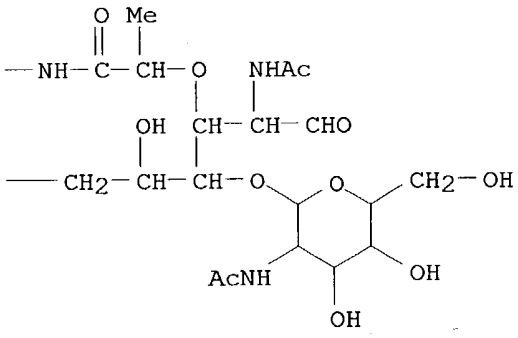
L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN D-Alanine, N-[N-acetyl-4-O-[2-(acetylamino)-2-deoxy-β-D-glucopyranosyl]muramoyl]-L-alanyl-D-α-glutaminyl-7-oxo-N6-(1-oxohexadecyl)-L-erythro-2,6,7-triaminoheptanoyl-, monosodium salt (9CI)
MF C53 H93 N9 O20 . Na

PAGE 1-A



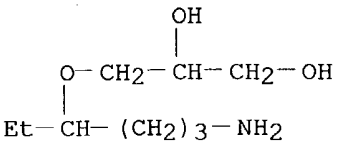
● Na

PAGE 1-B

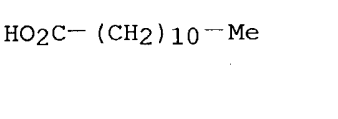


L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Dodecanoic acid, compd. with 3-(4-amino-1-ethylbutoxy)-1,2-propanediol (1:1) (9CI)
MF C12 H24 O2 . C9 H21 N O3

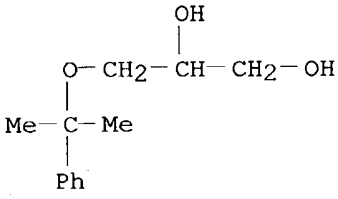
CM 1



CM 2



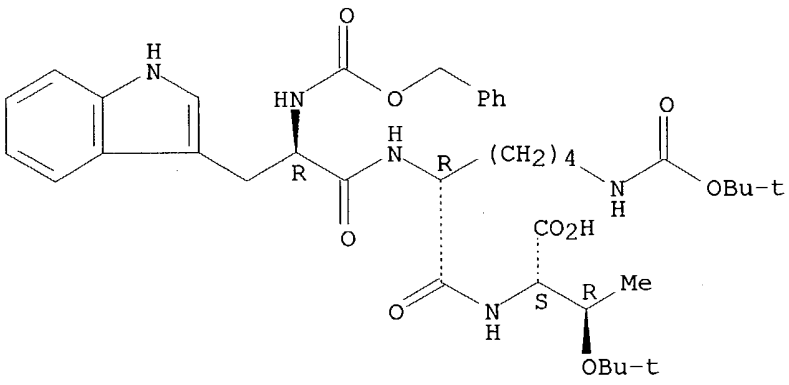
L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1,2-Propanediol, 3-(1-methyl-1-phenylethoxy)- (9CI)
MF C12 H18 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 50 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN L-Threonine, N-[N6-[(1,1-dimethylethoxy)carbonyl]-N2-[N-[(phenylmethoxy)carbonyl]-D-tryptophyl]-D-lysyl]-O-(1,1-dimethylethyl)- (9CI)
MF C38 H53 N5 O9

Absolute stereochemistry.



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>
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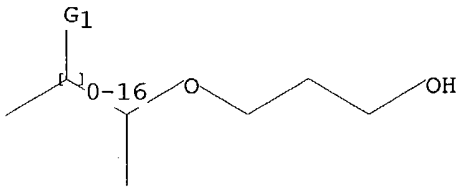
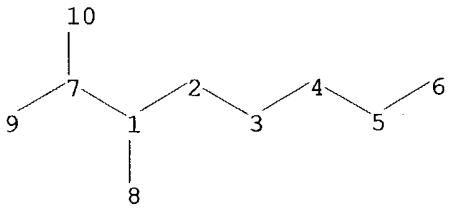




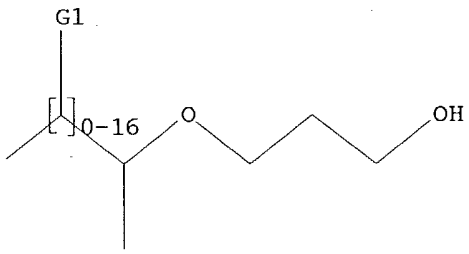
chain nodes :
1 2 3 4 5 6 7 8 9 10
chain bonds :
1-2 1-7 1-8 2-3 3-4 4-5 5-6 7-9 7-10
exact/norm bonds :
1-2 2-3 5-6 7-10
exact bonds :
1-7 1-8 3-4 4-5 7-9

G1:C,H

Hydrogen count :
3:>= minimum 2 4:>= minimum 2 5:>= minimum 2 9:>= minimum 3
Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS

L6 STRUCTURE UPLOADED

=> d l6
L6 HAS NO ANSWERS
L6 STR



G1 C,H

Structure attributes must be viewed using STN Express query preparation.

=> search l6 sss sam
SAMPLE SEARCH INITIATED 07:31:31 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 15796 TO ITERATE

6.3% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 308395 TO 323445
PROJECTED ANSWERS: 0 TO 0

L7 0 SEA SSS SAM L6

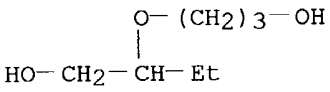
=> search l6 sss full
FULL SEARCH INITIATED 07:31:51 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 314878 TO ITERATE

100.0% PROCESSED 314878 ITERATIONS 62 ANSWERS
SEARCH TIME: 00.00.03

L8 62 SEA SSS FUL L6

=> d scan

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Butanol, 2-(3-hydroxypropoxy)- (9CI)
MF C7 H16 O3

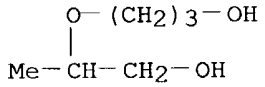


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

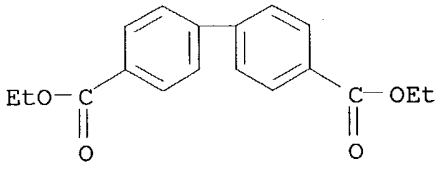
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN [1,1'-Biphenyl]-4,4'-dicarboxylic acid, diethyl ester, polymer with 2-(3-hydroxypropoxy)-1-propanol (9CI)
MF (C18 H18 O4 . C6 H14 O3)x
CI PMS

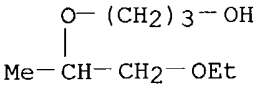
CM 1



CM 2

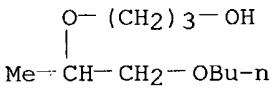


L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-(2-ethoxy-1-methylethoxy)- (9CI)
MF C8 H18 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

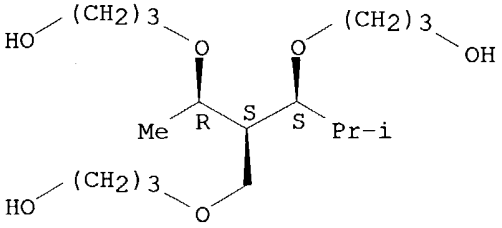
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-(2-butoxy-1-methylethoxy)- (9CI)
MF C10 H22 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

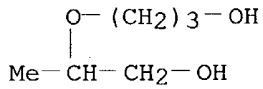
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3,3'-[[2-[1-(3-hydroxypropoxy)ethyl]-1-(1-methylethyl)-1,3-propanediyl]bis(oxy)]bis-, [1S-[1R*,2R*(S*)]]- (9CI)
MF C17 H36 O6

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

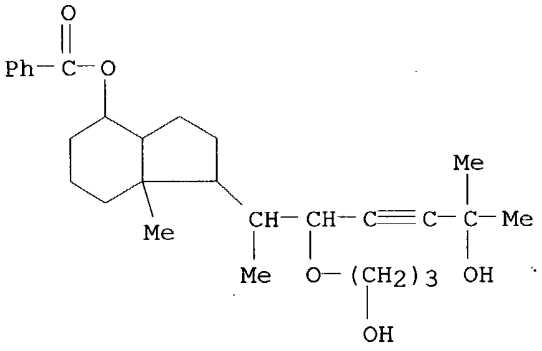
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 2-(3-hydroxypropoxy)- (9CI)
MF C6 H14 O3
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

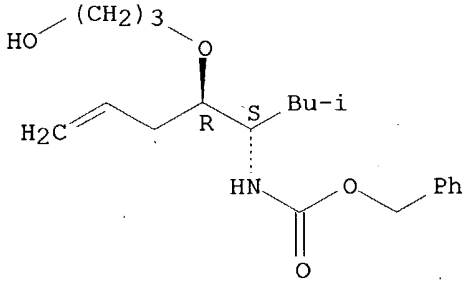
IN 1H-Inden-4-ol, octahydro-1-[5-hydroxy-2-(3-hydroxypropoxy)-1,5-dimethyl-3-hexynyl]-7a-methyl-, 4-benzoate, [1R-[1α(1S*,2S*),3aβ,4α,7aα]]- (9CI)
MF C28 H40 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

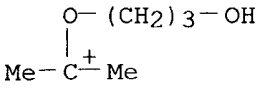
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Carbamic acid, [2-(3-hydroxypropoxy)-1-(2-methylpropyl)-4-pentenyl]-, phenylmethyl ester, [R-(R*,S*)]- (9CI)
MF C20 H31 N O4

Absolute stereochemistry.

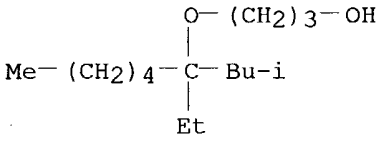


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Ethylium, 1-(3-hydroxypropoxy)-1-methyl-, conjugate monoacid (9CI)
MF C6 H13 O2 . H

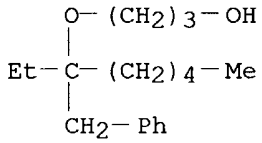


L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[[1-ethyl-1-(2-methylpropyl)hexyl]oxy]- (9CI)
MF C15 H32 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

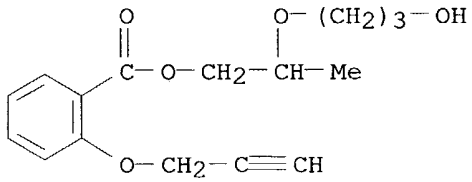
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[[1-ethyl-1-(phenylmethyl)hexyl]oxy]- (9CI)
MF C18 H30 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Benzoic acid, o-(2-propynyloxy)-, 2-(3-hydroxypropoxy)propyl ester (8CI)
MF C16 H20 O5

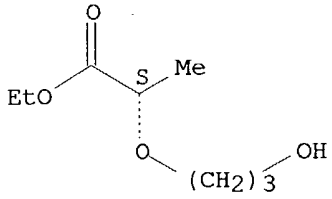


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN

IN Propanoic acid, 2-(3-hydroxypropoxy)-, ethyl ester, (2S)- (9CI)
MF C8 H16 O4

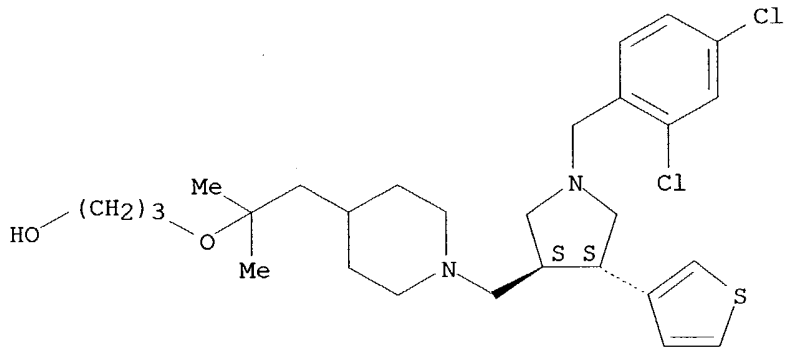
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[2-[1-[[(3S,4S)-1-[(2,4-dichlorophenyl)methyl]-4-(3-thienyl)-3-pyrrolidinyl]methyl]-4-piperidinyl]-1,1-dimethylethoxy]- (9CI)
MF C28 H40 Cl2 N2 O2 S

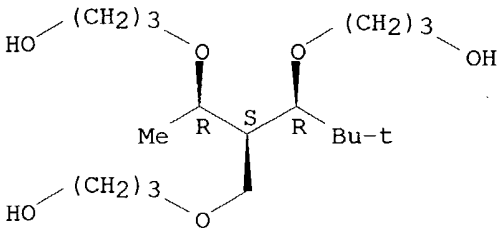
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

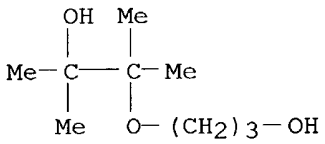
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3,3'-[[1-(1,1-dimethylethyl)-2-[1-(3-hydroxypropoxy)ethyl]-1,3-propanediyl]bis(oxy)]bis-, [1R-[1R*,2S*(R*)]]- (9CI)
MF C18 H38 O6

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

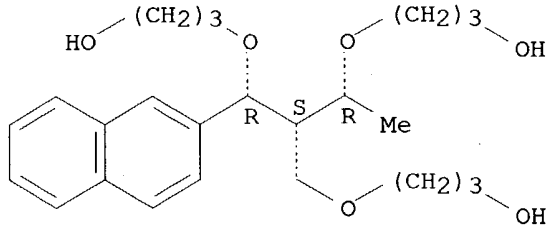
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 2-Butanol, 3-(3-hydroxypropoxy)-2,3-dimethyl- (9CI)
MF C9 H20 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3,3'-[[2-[1-(3-hydroxypropoxy)ethyl]-1-(2-naphthalenyl)-1,3-propanediyl]bis(oxy)]bis-, [1R-[1R*,2S*(R*)]]- (9CI)
MF C24 H36 O6

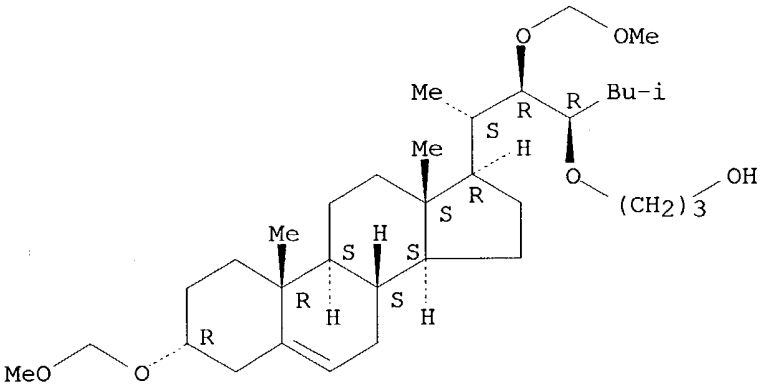
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

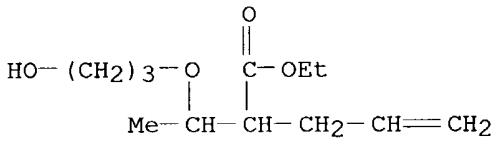
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[[(3α,22R,23R)-3,22-bis(methoxymethoxy)cholest-5-en-23-yl]oxy]- (9CI)
MF C34 H60 O6

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

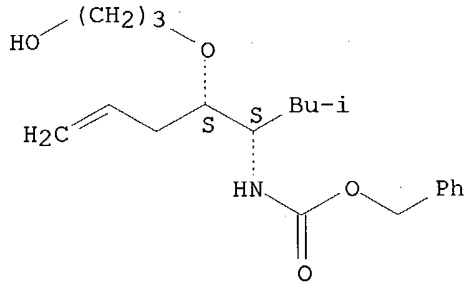
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 4-Pentenoic acid, 2-[1-(3-hydroxypropoxy)ethyl]-, ethyl ester (9CI)
MF C12 H22 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

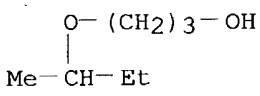
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Carbamic acid, [2-(3-hydroxypropoxy)-1-(2-methylpropyl)-4-pentenyl]-, phenylmethyl ester, [S-(R*,R*)]- (9CI)
MF C20 H31 N O4

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-(1-methylpropoxy)- (9CI)
MF C7 H16 O2

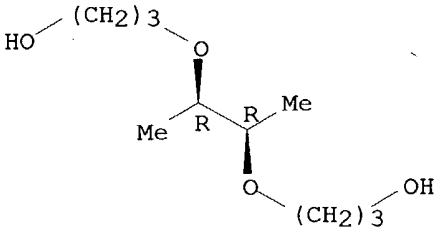


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

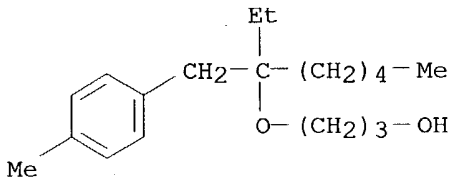
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3,3'-[(1,2-dimethyl-1,2-ethanediyl)bis(oxy)]bis-, [R-(R*,R*)]- (9CI)
MF C10 H22 O4

Absolute stereochemistry.



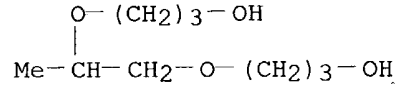
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[[1-ethyl-1-[(4-methylphenyl)methyl]hexyl]oxy]- (9CI)
MF C19 H32 O2



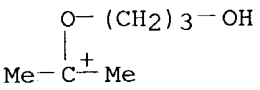
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3,3'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis- (9CI)
MF C9 H20 O4
CI COM



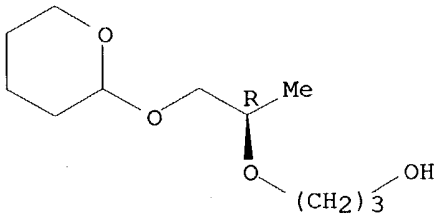
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Ethylium, 1-(3-hydroxypropoxy)-1-methyl- (9CI)
MF C6 H13 O2
CI COM



L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[(1R)-1-methyl-2-[(tetrahydro-2H-pyran-2-yl)oxy]ethoxy]- (9CI)
MF C11 H22 O4

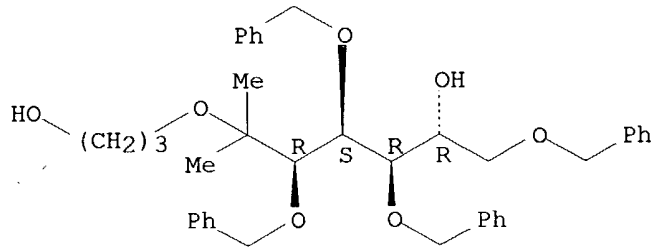
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

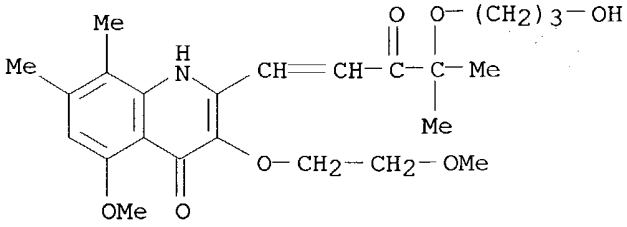
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN D-gluco-Heptitol, 1-deoxy-2-O-(3-hydroxypropyl)-2-C-methyl-3,4,5,7-tetrakis-O-(phenylmethyl)- (9CI)
MF C39 H48 O7

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

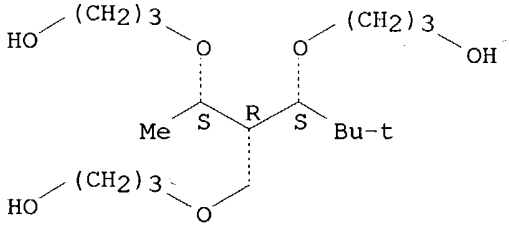
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 4(1H)-Quinolinone, 2-[4-(3-hydroxypropoxy)-4-methyl-3-oxo-1-pentenyl]-5-methoxy-3-(2-methoxyethoxy)-7,8-dimethyl- (9CI)
MF C24 H33 N O7



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

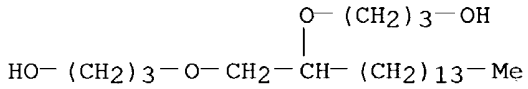
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3,3'-[[1-(1,1-dimethylethyl)-2-[1-(3-hydroxypropoxy)ethyl]-1,3-propanediyl]bis(oxy)]bis-, [1R*,2S*(R*)]- (9CI)
MF C18 H38 O6

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

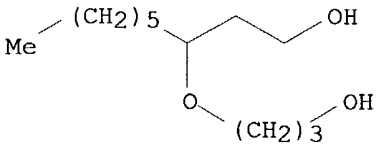
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3,3'-[(1-tetradecyl-1,2-ethanediyl)bis(oxy)]bis- (9CI)
MF C22 H46 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

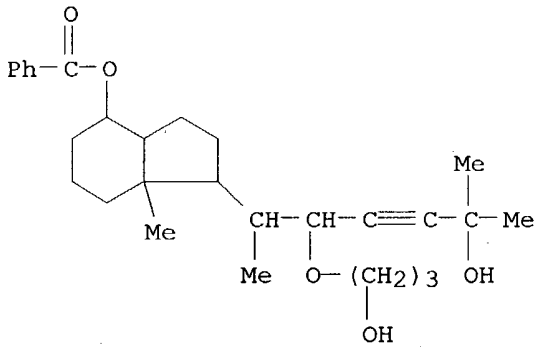
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Nonanol, 3-(3-hydroxypropoxy)-, (-)- (9CI)
MF C12 H26 O3

Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

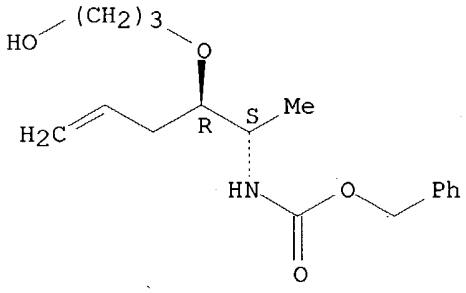
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1H-Inden-4-ol, octahydro-1-[5-hydroxy-2-(3-hydroxypropoxy)-1,5-dimethyl-3-hexynyl]-7a-methyl-, 4-benzoate, [1R-[1α(1S*,2R*),3aβ,4α,7aα]]- (9CI)
MF C28 H40 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

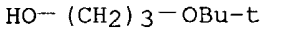
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Carbamic acid, [2-(3-hydroxypropoxy)-1-methyl-4-pentenyl]-, phenylmethyl ester, [R-(R*,S*)]- (9CI)
MF C17 H25 N O4

Absolute stereochemistry.



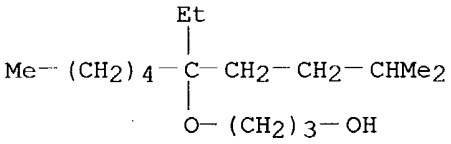
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-(1,1-dimethylethoxy)- (9CI)
MF C7 H16 O2



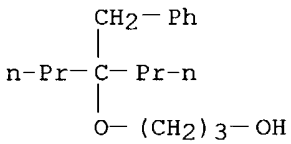
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[[1-ethyl-1-(3-methylbutyl)hexyl]oxy]- (9CI)
MF C16 H34 O2



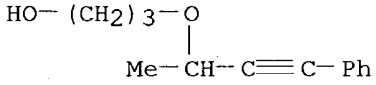
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[1-(phenylmethyl)-1-propylbutoxy]- (9CI)
MF C17 H28 O2



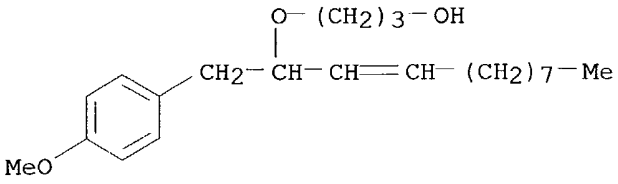
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[(1-methyl-3-phenyl-2-propynyl)oxy]- (7CI, 8CI)
MF C13 H16 O2



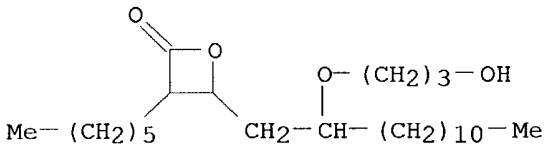
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[[1-[(4-methoxyphenyl)methyl]-2-undecenyl]oxy]- (9CI)
MF C22 H36 O3



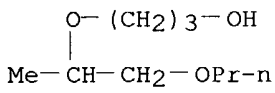
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 2-Oxetanone, 3-hexyl-4-[2-(3-hydroxypropoxy)tridecyl]- (9CI)
MF C25 H48 O4



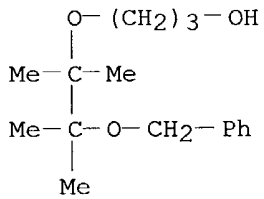
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-(1-methyl-2-propoxyethoxy)- (9CI)
MF C9 H20 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[1,1,2-trimethyl-2-(phenylmethoxy)propoxy]- (9CI)
MF C16 H26 O3

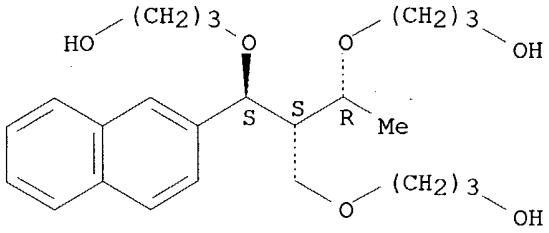


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3,3'-[[2-[1-(3-hydroxypropoxy)ethyl]-1-(2-naphthalenyl)-1,3-propanediyl]bis(oxy)]bis-, [1S-[1R*,2R*(S*)]]- (9CI)
MF C24 H36 O6

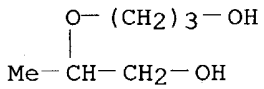
Absolute stereochemistry.



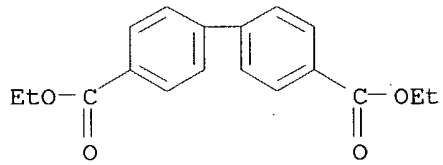
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN [1,1'-Biphenyl]-4,4'-dicarboxylic acid, diethyl ester, polymer with 2-(3-hydroxypropoxy)-1-propanol and 2-methyl-1,4-butanediol (9CI)
MF (C18 H18 O4 . C6 H14 O3 . C5 H12 O2)x
CI PMS

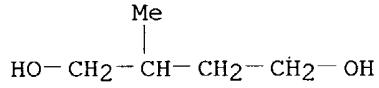
CM 1



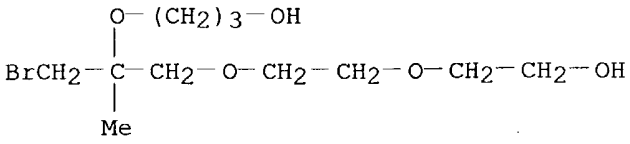
CM 2



CM 3



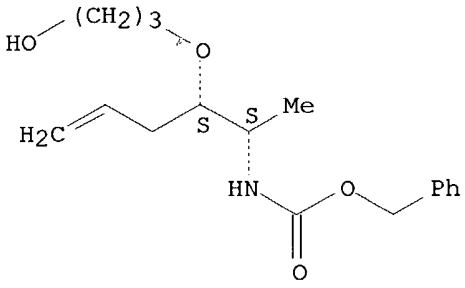
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[2-bromo-1-[[2-(2-hydroxyethoxy)ethoxy]methyl]-1-methylethoxy]- (9CI)
MF C11 H23 Br O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

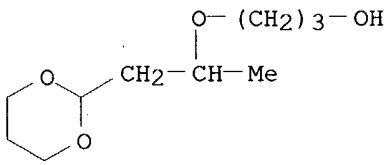
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Carbamic acid, [2-(3-hydroxypropoxy)-1-methyl-4-pentenyl]-, phenylmethyl ester, [S-(R*,R*)]- (9CI)
MF C17 H25 N O4

Absolute stereochemistry.



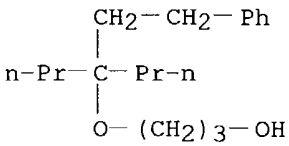
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[2-(1,3-dioxan-2-yl)-1-methylethoxy]- (9CI)
MF C10 H20 O4



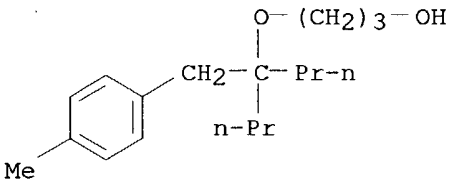
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[1-(2-phenylethyl)-1-propylbutoxy]- (9CI)
MF C18 H30 O2



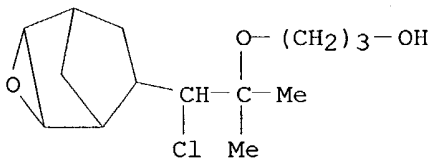
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[1-[(4-methylphenyl)methyl]-1-propylbutoxy]- (9CI)
MF C18 H30 O2



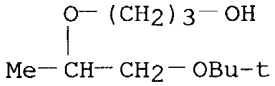
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[2-chloro-2-(5,6-epoxy-2-norbornyl)-1,1-dimethylethoxy]-
(8CI)
MF C14 H23 Cl O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[2-(1,1-dimethylethoxy)-1-methylethoxy]- (9CI)
MF C10 H22 O3

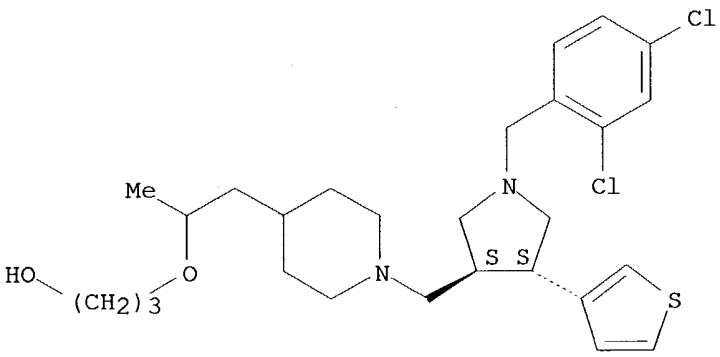


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[2-[1-[[(3S,4S)-1-[(2,4-dichlorophenyl)methyl]-4-(3-thienyl)-

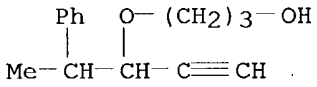
3-pyrrolidinyl]methyl]-4-piperidinyl]-1-methylethoxy]- (9CI)
MF C27 H38 Cl2 N2 O2 S

Absolute stereochemistry.



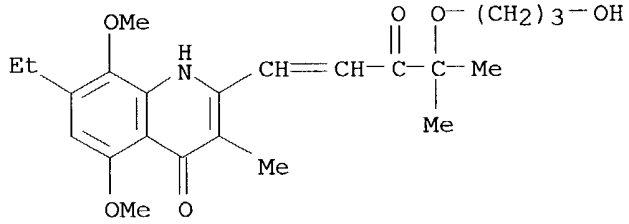
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[[1-(1-phenylethyl)-2-propynyl]oxy]- (9CI)
MF C14 H18 O2



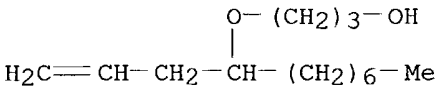
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 4(1H)-Quinolinone, 7-ethyl-2-[4-(3-hydroxypropoxy)-4-methyl-3-oxo-1-pentenyl]-5,8-dimethoxy-3-methyl- (9CI)
MF C23 H31 N O6



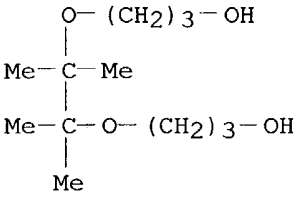
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[[1-(2-propenyl)octyl]oxy]- (9CI)
MF C14 H28 O2



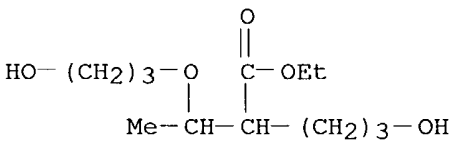
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3,3'-[(1,1,2,2-tetramethyl-1,2-ethanediyl)bis(oxy)]bis- (9CI)
MF C12 H26 O4



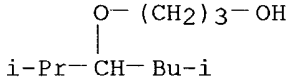
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Pentanoic acid, 5-hydroxy-2-[1-(3-hydroxypropoxy)ethyl]-, ethyl ester (9CI)
MF C12 H24 O5



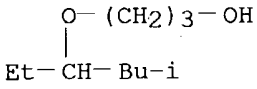
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[3-methyl-1-(1-methylethyl)butoxy]- (9CI)
MF C11 H24 O2



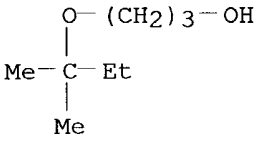
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-(1-ethyl-3-methylbutoxy)- (9CI)
MF C10 H22 O2



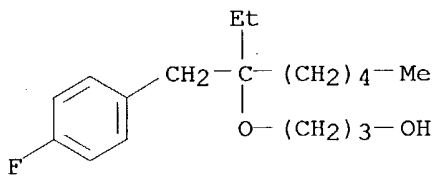
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-(1,1-dimethylpropoxy)- (9CI)
MF C8 H18 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

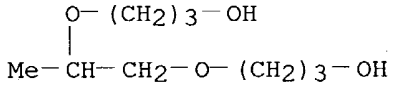
L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-[[1-ethyl-1-[(4-fluorophenyl)methyl]hexyl]oxy]- (9CI)
MF C18 H29 F O2



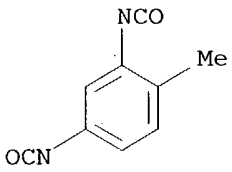
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3,3'-[(1-methyl-1,2-ethanediyl)bis(oxy)]bis-, polymer with 2,4-diisocyanato-1-methylbenzene (9CI)
MF (C9 H20 O4 . C9 H6 N2 O2)x
CI PMS

CM 1



CM 2



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L8 62 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-(1-methylethoxy)- (9CI)
MF C6 H14 O2

HO—$(CH_2)_3$—OPr-i

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

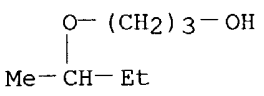
ALL ANSWERS HAVE BEEN SCANNED

```
=> e 1-Propanol, 3-(1-methylpropoxy)-/cn
E1            1      1-PROPANOL, 3-(1-METHYLETHOXY)-2-(PHENYLTHIO)-, ACETATE/CN
E2            1      1-PROPANOL, 3-(1-METHYLETHOXY)-2-PROPOXY-/CN
E3            1 --> 1-PROPANOL, 3-(1-METHYLPROPOXY)-/CN
E4            1      1-PROPANOL, 3-(1-METHYLPROPOXY)-2,2-BIS((1-METHYLPROPOXY)MET
                     HYL)-/CN
E5            1      1-PROPANOL, 3-(1-NAPHTHALENYLAMINO)-/CN
E6            1      1-PROPANOL, 3-(1-NAPHTHALENYLAMINO)-, HYDROCHLORIDE/CN
E7            1      1-PROPANOL, 3-(1-NAPHTHALENYLOXY)-/CN
E8            1      1-PROPANOL, 3-(1-NAPHTHALENYLOXY)-, 4-METHYLBENZENESULFONATE
                     /CN
E9            1      1-PROPANOL, 3-(1-NAPHTHALENYLOXY)-, METHANESULFONATE/CN
E10           1      1-PROPANOL, 3-(1-NAPHTHALENYLOXY)-2-((TETRAHYDRO-2H-PYRAN-2-
                     YL)OXY)-, 4-METHYLBENZENESULFONATE/CN
E11           1      1-PROPANOL, 3-(1-NAPHTHALENYLPHENYL(PHENYLMETHYL)SILYL)-/CN
E12           1      1-PROPANOL, 3-(1-NAPHTHALENYLPHENYL(PHENYLMETHYL)SILYL)-, (-
                     )-/CN

=> e3
L9            1 "1-PROPANOL, 3-(1-METHYLPROPOXY)-"/CN

=> d 19

L9   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   99762-74-0  REGISTRY
CN   1-Propanol, 3-(1-methylpropoxy)- (9CI)  (CA INDEX NAME)
FS   3D CONCORD
MF   C7 H16 O2
SR   CA
LC   STN Files:   BEILSTEIN*, CA, CAPLUS, CASREACT
         (*File contains numerically searchable property data)
DT.CA  CAplus document type:  Journal
RL.NP  Roles from non-patents:  PREP (Preparation)
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.24	174.51

FILE 'CAPLUS' ENTERED AT 07:35:04 ON 17 NOV 2004
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

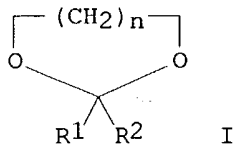
FILE COVERS 1907 - 17 Nov 2004 VOL 141 ISS 21
FILE LAST UPDATED: 16 Nov 2004 (20041116/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l9
L10 1 L9

=> d l10 ti fbib abs

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
TI Reaction of 1,3-dioxacycloalkanes under the effect of diethylaluminum hydride and triethylaluminum
AN 1986:34041 CAPLUS
DN 104:34041
TI Reaction of 1,3-dioxacycloalkanes under the effect of diethylaluminum hydride and triethylaluminum
AU Volkov, A. A.; Kravets, E. Kh.; Zlotskii, S. S.; Rakhmankulov, D. L.
CS USSR
SO Zhurnal Prikladnoi Khimii (Sankt-Peterburg, Russian Federation) (1985), 58(7), 1547-52
CODEN: ZPKHAB; ISSN: 0044-4618
DT Journal
LA Russian
OS CASREACT 104:34041
GI



I

AB Treating 1,3-dioxacyclanes I [R1 = H, R2 = Me, Me2CHCH2, Ph, Et, n = 0; R1 = H, R2 = Me2CHCH2, n = 1; R1 = Me, R2 = Et, n = 0, 1; R1R2 = (CH2)4, n = 0, 1] with Et2AlH in kerosene gave R1R2CHOCH2(CH2)nCH2OH. Similarly, I [R1 = H, R2 = Me, Ph, n = 0; R1 = H, R2 = Me2CHCH2, n = 0, 1; R1 = Me, R2 = Et, n = 0, 1; R1R2 = (CH2)4, n = 0, 1] and Et3Al gave EtCR1R2OCH2(CH2)nCH2OH.

```
=> l8/prep
            74 L8
       3224013 PREP/RL
L11          46 L8/PREP
                (L8 (L) PREP/RL)

=> save temp l11 alcohols/a
ANSWER SET L11 HAS BEEN SAVED AS 'ALCOHOLS/A'

=> acid catalyzed
       3900475 ACID
       1453673 ACIDS
       4372451 ACID
                (ACID OR ACIDS)
        218052 CATALYZED
             1 CATALYZEDS
        218052 CATALYZED
                (CATALYZED OR CATALYZEDS)
L12      23371 ACID CATALYZED
                (ACID(W)CATALYZED)

=> l11 and l12
L13          0 L11 AND L12

=> alkene or olefin
         32060 ALKENE
         77481 ALKENES
         88809 ALKENE
                (ALKENE OR ALKENES)
         92934 OLEFIN
         97151 OLEFINS
        145984 OLEFIN
                (OLEFIN OR OLEFINS)
L14     196418 ALKENE OR OLEFIN

=> l11 and l14
L15          3 L11 AND L14

=> d l15 1-3 ti

L15  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Tuning Reactivity and Chemoselectivity in Electron Transfer Initiated
     Cyclization Reactions: Applications to Carbon-Carbon Bond Formation

L15  ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Tandem Cyclization of Alkynylmetals Bearing a Remote Leaving Group via
```

Cycloalkylidene Carbenes

L15 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
TI Tetrahydrofuran

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.78	189.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.70	-0.70

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:38:10 ON 17 NOV 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 07:43:53 ON 17 NOV 2004
FILE 'CAPLUS' ENTERED AT 07:43:53 ON 17 NOV 2004
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	14.78	189.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.70	-0.70

=> d his

(FILE 'HOME' ENTERED AT 07:07:39 ON 17 NOV 2004)

FILE 'REGISTRY' ENTERED AT 07:07:46 ON 17 NOV 2004
E 3-ISOPROPOXYPROPANOL/CN

FILE 'CAPLUS' ENTERED AT 07:21:32 ON 17 NOV 2004
L1 41097 PROPYLENE GLYCOL
L2 1132 MARKOVNIKOV
L3 0 L1 AND L2

FILE 'REGISTRY' ENTERED AT 07:28:08 ON 17 NOV 2004
L4 STRUCTURE UPLOADED
L5 50 SEARCH L4 SSS SAM
L6 STRUCTURE UPLOADED
L7 0 SEARCH L6 SSS SAM
L8 62 SEARCH L6 SSS FULL
E 1-PROPANOL, 3-(1-METHYLPROPOXY)-/CN
L9 1 E3

FILE 'CAPLUS' ENTERED AT 07:35:04 ON 17 NOV 2004

```
L10           1 L9
L11          46 L8/PREP
                SAVE TEMP L11 ALCOHOLS/A
L12       23371 ACID CATALYZED
L13           0 L11 AND L12
L14      196418 ALKENE OR OLEFIN
L15           3 L11 AND L14

=> d l11 36-46 ti

L11  ANSWER 36 OF 46  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Synthesis of monoethers of glycols

L11  ANSWER 37 OF 46  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Reaction of 1,3-dioxacycloalkanes under the effect of diethylaluminum
     hydride and triethylaluminum

L11  ANSWER 38 OF 46  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Acetals and ethers - XIII.  Reaction products of 2-butenal with ethylene
     glycol

L11  ANSWER 39 OF 46  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Formation of stable alkoxycarbenium and oxonium dications from
     1,3-dioxanes in fluorosulfuric acid-antimony pentafluoride-sulfur dioxide

L11  ANSWER 40 OF 46  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Tetrahydrofuran

L11  ANSWER 41 OF 46  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Ion pairing in metal nitrate complexes of optically active crown ethers
     detected by circular dichroism

L11  ANSWER 42 OF 46  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   ω-Aminoalkoxyalkanes

L11  ANSWER 43 OF 46  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Physical properties of monoethers of mono- and diglycols

L11  ANSWER 44 OF 46  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Scission of 1,3-dioxygen heterocycles by acetylenic magnesium bromides

L11  ANSWER 45 OF 46  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Oxidation of bicycloheptene-5-alkenyl(alkyl)-2-carbinols

L11  ANSWER 46 OF 46  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   o-(2-Propynyloxy)benzoates


=> d l11 36 ti fbib abs

L11  ANSWER 36 OF 46  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Synthesis of monoethers of glycols
AN   1986:108974  CAPLUS
DN   104:108974
TI   Synthesis of monoethers of glycols
AU   Volkov, A. A.; Zlotskii, S. S.; Kravets, E. Kh.; Rakhmankulov, D. L.
CS   Ufimsk. Neft. Inst., Ufa, USSR
SO   Doklady Akademii Nauk SSSR (1985), 283(5), 1194-6 [Chem.]
     CODEN: DANKAS; ISSN: 0002-3264
DT   Journal
LA   Russian
OS   CASREACT 104:108974
GI
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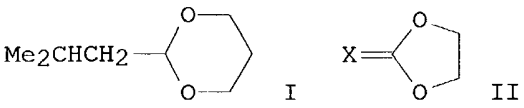

AB Treating 1,3-dioxacyclanes I and II [X = Ph, H; (CH2)4] with Et3Al in hexane at 73° 5-40 min gave 91-98% glycol ethers Me2CHCH2CHEtO(CH2)3OH, PhCHEtOCH2CH2OH, and ROCH2CH2OH (R = 1-ethylcyclopentyl).

```
=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      23.38     197.89

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                      -1.40      -1.40

FILE 'REGISTRY' ENTERED AT 07:47:30 ON 17 NOV 2004
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   15 NOV 2004  HIGHEST RN 781585-71-5
DICTIONARY FILE UPDATES:  15 NOV 2004  HIGHEST RN 781585-71-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> e 3-tert-butoxypropanol/cn
E1            1     3-TERT-BUTOXYPHENYLMAGNESIUM CHLORIDE/CN
E2            1     3-TERT-BUTOXYPROP-1-YNE/CN
E3            0 --> 3-TERT-BUTOXYPROPANOL/CN
E4            1     3-TERT-BUTOXYPROPIONIC ACID/CN
E5            1     3-TERT-BUTOXYPROPIONITRILE/CN
E6            1     3-TERT-BUTOXYPROPYL BROMIDE/CN
E7            1     3-TERT-BUTOXYPROPYLAMINE/CN
E8            1     3-TERT-BUTOXYPROPYNE/CN
E9            1     3-TERT-BUTOXYPYRIDINE/CN
E10           1     3-TERT-BUTOXYSELENOPHENE/CN
E11           1     3-TERT-BUTOXYSTYRENE HOMOPOLYMER/CN
E12           1     3-TERT-BUTOXYTHIOPHENE/CN

=>
Uploading C:\Examination Auxillary files\10679174\10679174  monotertbutyl ether.str
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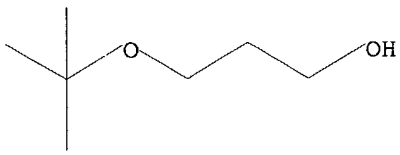
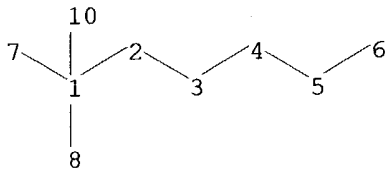




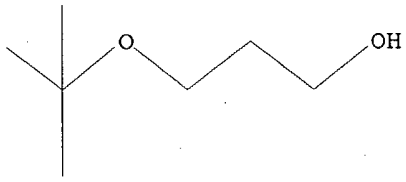
chain nodes :
1 2 3 4 5 6 7 8 10
chain bonds :
1-2 1-7 1-8 1-10 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 2-3 5-6
exact bonds :
1-7 1-8 1-10 3-4 4-5

G1:C,H

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 10:CLASS

L16 STRUCTURE UPLOADED

=> d l16
L16 HAS NO ANSWERS
L16 STR



G1 C,H

Structure attributes must be viewed using STN Express query preparation.

=> search l16 exact full
FULL SEARCH INITIATED 07:49:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 31 TO ITERATE

100.0% PROCESSED 31 ITERATIONS 2 ANSWERS
SEARCH TIME: 00.00.01

L17 2 SEA EXA FUL L16

=> d scan

L17 2 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN Ethyl, 2-(1,1-dimethylethoxy)-1-(hydroxymethyl)- (9CI)
MF C7 H15 O2

t-BuO—CH_2—CH—CH_2—OH

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L17 2 ANSWERS REGISTRY COPYRIGHT 2004 ACS on STN
IN 1-Propanol, 3-(1,1-dimethylethoxy)- (9CI)
MF C7 H16 O2

HO—$(CH_2)_3$—OBu-t

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	53.93	251.82

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.40

FILE 'CAPLUS' ENTERED AT 07:49:54 ON 17 NOV 2004
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FILE COVERS 1907 - 17 Nov 2004 VOL 141 ISS 21
FILE LAST UPDATED: 16 Nov 2004 (20041116/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l17/prep
6 L17
3224013 PREP/RL
L18 3 L17/PREP
(L17 (L) PREP/RL)

=> d l18 1-3 ti fbib abs

L18 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of 3-alkoxy-1-propanol from allyl alcohol by use of metal oxide

catalysts in the liquid-phase
AN 2003:641030 CAPLUS
DN 140:338943
TI Synthesis of 3-alkoxy-1-propanol from allyl alcohol by use of metal oxide catalysts in the liquid-phase
AU Yamakawa, Tetsu; Ohkubo, Yuki; Takahashi, Ikuo; Koyama, Hiroshi
CS Institute of Industrial Science, The University of Tokyo, Tokyo, 153-8505, Japan
SO Studies in Surface Science and Catalysis (2003), 145(Science and Technology in Catalysis 2002), 549-550
CODEN: SSCTDM; ISSN: 0167-2991
PB Elsevier Science B.V.
DT Journal
LA English
AB The addition of t-BuOH, allyl alc. (AA) itself, and water to the C:C double bond in AA in the liquid phase was investigated using metal oxide catalysts. Anti-Markovnikov products were obtained for each substrate.
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
TI Perfluorovinyl ether compounds and resins
AN 2000:15148 CAPLUS
DN 132:78974
TI Perfluorovinyl ether compounds and resins
IN Gani, David; Akhtar, Mahmoud; Liu, Shuyuan
PA The University Court of the University of St. Andrews, UK
SO PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000000455	A1	20000106	WO 1999-GB1893	19990628
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
			GB 1998-13862 A	19980627
AU 9945179	A1	20000117	AU 1999-45179	19990628
			GB 1998-13862 A	19980627
			WO 1999-GB1893 W	19990628

OS MARPAT 132:78974
AB ZXOCY:CFR' (Z = aryl, an alc. or ether precursor, or RO; R = H, CMe3, CH2Ph, silyl group, or 2-tetrahydropyranyl; X = inert spacer such as alkyl or aryl group; Y, R' = H, Cl, F, Me, or CF3) are manufactured and are useful for preparation functionalized perfluoropolymer based resins. The resins are suitable for solid-phase synthesis or combinatorial chemical Thus, reaction of 1-tert-butoxy-2-propanol lithium salt solution in Et2O-hexane mixture at 50° and cleavage of the ether with TiCl4 in CH2Cl2 at ice-water temps. gave CF3CF:CFOCHMeCH2OH.
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
TI Electron spin resonance studies. Part 61. The generation and reactions of the tert-butoxyl radical in aqueous solution

AN 1981:619524 CAPLUS
DN 95:219524
TI Electron spin resonance studies. Part 61. The generation and reactions of the tert-butoxyl radical in aqueous solution
AU Gilbert, Bruce C.; Marshall, P. David R.; Norman, Richard O. C.; Pineda, Nelson; Williams, Peter S.
CS Dep. Chem., Univ. York, York, YO1 5DD, UK
SO Journal of the Chemical Society, Perkin Transactions 2: Physical Organic Chemistry (1972-1999) (1981), (10), 1392-400
CODEN: JCPKBH; ISSN: 0300-9580
DT Journal
LA English
AB Me3CO• was generated in aqueous solns. from the reaction of Ti(III) and Me3COOH in a flow system. Although the fragmentation of Me3CO• to Me• and Me2CO is rapid under these conditions, competing addition reactions (e.g., to vinyl ethers, furan) and abstraction reactions (with alcs.) can be observed Me3CO• is electrophilic, but with H2C:CHCH2OH, unlike HO•, it undergoes abstraction, rather than addition Changes in the behavior of Me3CO• at low pH are due to the formation and reaction of Me3COH•+.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.23	263.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.10	-3.50

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:52:11 ON 17 NOV 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:16:17 ON 17 NOV 2004
FILE 'CAPLUS' ENTERED AT 08:16:17 ON 17 NOV 2004
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.23	263.05

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.10	-3.50

=> d his

(FILE 'HOME' ENTERED AT 07:07:39 ON 17 NOV 2004)

FILE 'REGISTRY' ENTERED AT 07:07:46 ON 17 NOV 2004
E 3-ISOPROPOXYPROPANOL/CN

```
     FILE 'CAPLUS' ENTERED AT 07:21:32 ON 17 NOV 2004
L1         41097 PROPYLENE GLYCOL
L2          1132 MARKOVNIKOV
L3             0 L1 AND L2

     FILE 'REGISTRY' ENTERED AT 07:28:08 ON 17 NOV 2004
L4                STRUCTURE UPLOADED
L5            50 SEARCH L4 SSS SAM
L6                STRUCTURE UPLOADED
L7             0 SEARCH L6 SSS SAM
L8            62 SEARCH L6 SSS FULL
                  E 1-PROPANOL, 3-(1-METHYLPROPOXY)-/CN
L9             1 E3

     FILE 'CAPLUS' ENTERED AT 07:35:04 ON 17 NOV 2004
L10            1 L9
L11           46 L8/PREP
                  SAVE TEMP L11 ALCOHOLS/A
L12        23371 ACID CATALYZED
L13            0 L11 AND L12
L14       196418 ALKENE OR OLEFIN
L15            3 L11 AND L14

     FILE 'REGISTRY' ENTERED AT 07:47:30 ON 17 NOV 2004
                  E 3-TERT-BUTOXYPROPANOL/CN
L16              STRUCTURE UPLOADED
L17            2 SEARCH L16 EXACT FULL

     FILE 'CAPLUS' ENTERED AT 07:49:54 ON 17 NOV 2004
L18            3 L17/PREP

=> file reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              11.67     263.49

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                 ENTRY    SESSION
CA SUBSCRIBER PRICE                              -2.10      -3.50

FILE 'REGISTRY' ENTERED AT 08:16:39 ON 17 NOV 2004
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   15 NOV 2004  HIGHEST RN 781585-71-5
DICTIONARY FILE UPDATES:  15 NOV 2004  HIGHEST RN 781585-71-5

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html
```

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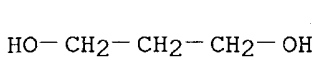
=> e 1,3-propanediol/cn
E1            1      1,3-PROPANEDIMERCAPTAN/CN
E2            1      1,3-PROPANEDIOIC ACID/CN
E3            1 --> 1,3-PROPANEDIOL/CN
E4            1      1,3-PROPANEDIOL (4-HYDROXY-3-ISOPROPYL-5-METHYLBENZOATE)METH
                     ACRYLATE/CN
E5            1      1,3-PROPANEDIOL 2-(BENZYLOXY)-, DIESTER WITH N-CARBOXYGLYCIN
                     E N-BENZYL ESTER/CN
E6            1      1,3-PROPANEDIOL BIS(A-(CHLOROPHENOXY)ISOBUTYRATE)/CN
E7            1      1,3-PROPANEDIOL BIS(2-CYANOACRYLATE)/CN
E8            1      1,3-PROPANEDIOL BIS(2-HYDROXYETHYL CARBONATE) DIMETHACRYLATE
                      POLYMER/CN
E9            1      1,3-PROPANEDIOL BIS(2-P-CHLOROPHENOXYISOBUTYRATE)/CN
E10           1      1,3-PROPANEDIOL BIS(3-(3,5-DI-TERT-BUTYL-4-HYDROXYPHENYL)PRO
                     PIONATE)/CN
E11           1      1,3-PROPANEDIOL BIS(3-CHLOROPROPIONATE)/CN
E12           1      1,3-PROPANEDIOL BIS(CHLOROACETATE)/CN

=> e3
L19           1 "1,3-PROPANEDIOL"/CN

=> d l19

L19  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   504-63-2  REGISTRY
CN   1,3-Propanediol (8CI, 9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   β-Propylene glycol
CN   ω-Propanediol
CN   1,3-Dihydroxypropane
CN   1,3-Propylene glycol
CN   1,3-Propylenediol
CN   2-Deoxyglycerol
CN   NSC 65426
CN   PG
CN   Trimethylene glycol
FS   3D CONCORD
DR   757125-93-2
MF   C3 H8 O2
CI   COM
LC   STN Files:   AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
       BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
       CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIPPR*,
       DRUGU, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
       MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT, PS, RTECS*, SPECINFO,
       SYNTHLINE, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB
         (*File contains numerically searchable property data)
     Other Sources:   DSL**, EINECS**, TSCA**
         (**Enter CHEMLIST File for up-to-date regulatory information)
DT.CA  CAplus document type:  Conference; Dissertation; Journal; Patent;
       Preprint; Report
RL.P   Roles from patents:  ANST (Analytical study); BIOL (Biological study);
       FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
       (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
       (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.P  Roles for non-specific derivatives from patents:  ANST (Analytical
       study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP
       (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
       reagent); USES (Uses)
RL.NP  Roles from non-patents:  ANST (Analytical study); BIOL (Biological
       study); CMBI (Combinatorial study); FORM (Formation, nonpreparative);
       MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC
```

(Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4607 REFERENCES IN FILE CA (1907 TO DATE)
272 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4617 REFERENCES IN FILE CAPLUS (1907 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.62	270.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.50

FILE 'CAPLUS' ENTERED AT 08:17:19 ON 17 NOV 2004
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FILE COVERS 1907 - 17 Nov 2004 VOL 141 ISS 21
FILE LAST UPDATED: 16 Nov 2004 (20041116/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l19
L20 4615 L19

=> l11 and l20
L21 5 L11 AND L20

=> d l21 1-5 ti fbib abs

L21 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI Process for preparation of perfluorodiacyl fluorides
AN 2004:780648 CAPLUS

DN 141:295627
TI Process for preparation of perfluorodiacyl fluorides
IN Wang, Shu-Zhong; Okazoe, Takashi; Murotani, Eisuke; Watanabe, Kunio; Shirakawa, Daisuke; Oharu, Kazuya
PA Asahi Glass Company, Limited, Japan
SO PCT Int. Appl., 37 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004080940	A1	20040923	WO 2004-JP1971	20040220

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

JP 2003-44581 A 20030221

AB This invention pertains to a method for producing perfluoro compds. FCO-QF-O-(CF2)2-COF and RBFCOF [wherein QF = -CF(CF3)- or -CF2CF2-; RBF = fluorinated substituent], which comprises reacting HOCH2-Q-O-(CH2)3-OH [where Q = -CH(Me)- or -CH2CH2-] with RBCOX [wherein RB = fluorinated substituent; X = halo], followed by fluorination and thermolysis. For example, HO(CH2)3O(CH2)3OH was reacted with FCOCF(CF3)2, followed by fluorination with F2 and thermolysis to give FCO(CF2)2O(CF2)2COF. This invention provides a method to prepare perfluoro compds., which are useful as the raw materials in the production of various fluororesins, from inexpensive and easily available starting materials in fewer steps in high yield.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of 3-alkoxy-1-propanol from allyl alcohol by use of metal oxide catalysts in the liquid-phase
AN 2003:641030 CAPLUS
DN 140:338943
TI Synthesis of 3-alkoxy-1-propanol from allyl alcohol by use of metal oxide catalysts in the liquid-phase
AU Yamakawa, Tetsu; Ohkubo, Yuki; Takahashi, Ikuo; Koyama, Hiroshi
CS Institute of Industrial Science, The University of Tokyo, Tokyo, 153-8505, Japan
SO Studies in Surface Science and Catalysis (2003), 145(Science and Technology in Catalysis 2002), 549-550
CODEN: SSCTDM; ISSN: 0167-2991
PB Elsevier Science B.V.
DT Journal
LA English
AB The addition of t-BuOH, allyl alc. (AA) itself, and water to the C:C double bond in AA in the liquid phase was investigated using metal oxide catalysts. Anti-Markovnikov products were obtained for each substrate.
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of polyhydric alcohols having ether structures
AN 2002:847736 CAPLUS

DN 137:352692
TI Preparation of polyhydric alcohols having ether structures
IN Takahara, Jun
PA Mitsubishi Chemical Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002322113	A2	20021108	JP 2001-127301	20010425
				JP 2001-127301	20010425

AB The compds. are prepared by reaction of unsatd. compds. having a (un)protected carbonyl group with polyhydric alcs. in the presence of acidic catalysts, optionally hydrolysis of the protected carbonyl group of the resulting compds. having a OH group and an ether structure, and hydrogenation to convert the carbonyl group into a OH group. Acrolein was reacted with 1,3-propanediol in the presence of ion exchanger (Amberlyst 15) and NaHCO3 at room temperature for 3 h to give 87% 2-vinyl-1,3-dioxane, which was further treated with 1,3-propanediol in the presence of Amberlyst 15 at 80° for 3 h and hydrolyzed and hydrogenated with H in the presence of Ru/C and zeolite USY at 80° to give 4-oxaheptane-1,7-diol.

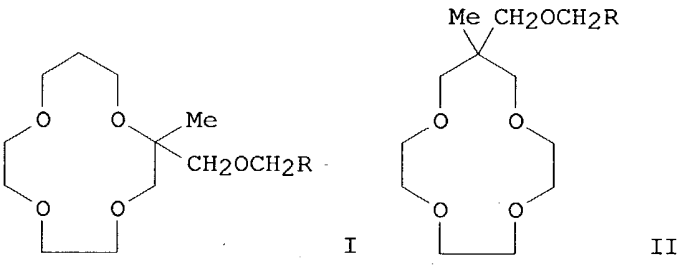
L21 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI Perfluorovinyl ether compounds and resins
AN 2000:15148 CAPLUS
DN 132:78974
TI Perfluorovinyl ether compounds and resins
IN Gani, David; Akhtar, Mahmoud; Liu, Shuyuan
PA The University Court of the University of St. Andrews, UK
SO PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2000000455	A1	20000106	WO 1999-GB1893		19990628
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
				GB 1998-13862	A	19980627
	AU 9945179	A1	20000117	AU 1999-45179		19990628
				GB 1998-13862	A	19980627
				WO 1999-GB1893	W	19990628

OS MARPAT 132:78974
AB ZXOCY:CFR' (Z = aryl, an alc. or ether precursor, or RO; R = H, CMe3, CH2Ph, silyl group, or 2-tetrahydropyranyl; X = inert spacer such as alkyl or aryl group; Y, R' = H, Cl, F, Me, or CF3) are manufactured and are useful for preparation functionalized perfluoropolymer based resins. The resins are suitable for solid-phase synthesis or combinatorial chemical Thus, reaction of 1-tert-butoxy-2-propanol lithium salt solution in Et2O-hexane mixture at 50° and cleavage of the ether with TiCl4 in CH2Cl2 at ice-water temps. gave CF3CF:CFOCHMeCH2OH.
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of methyl-substituted lariat ethers containing a 13-crown-4 ring
AN 1991:42757 CAPLUS
DN 114:42757
TI Synthesis of methyl-substituted lariat ethers containing a 13-crown-4 ring
AU Wakita, Ryuhei; Yonetani, Masayuki; Nakatsuji, Yohji; Okahara, Mitsuo
CS Fac. Eng., Osaka Univ., Osaka, 565, Japan
SO Journal of Heterocyclic Chemistry (1990), 27(5), 1337-9
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English
OS CASREACT 114:42757
GI



I

II

AB Convenient synthetic procedures for preparing two kinds of methyl-substituted lariat ethers containing a 13-crown-4-ring, I and II [R = CH2OMe, (CH2)8Me, 2-tetrahydrofuryl], are described. I were obtained from the reaction of 2-bromomethyl-2-methyl-13-crown-4 (III) with the appropriate alkoxide. III was prepared without the need for prior protection of the bromomethyl group. For the synthesis of II, which possess an electron-donating group on the central carbon of the tri-Me moiety of the 13-crown-4-ring, the substituents were introduced before cyclization.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	15.39	285.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.50	-7.00

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:20:40 ON 17 NOV 2004